

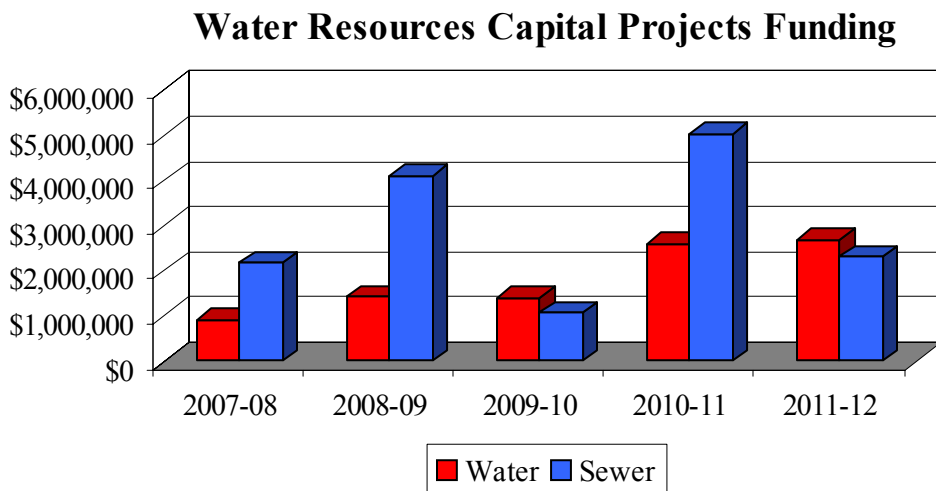
Water Resources

Capital projects within this category are associated with improvements to and expansion of the City's Water and Sewer Treatment and Distribution systems. A variety of projects will be funded over the five year CIP Period. These include the maintenance and upgrading of the water and sewer treatment plant facilities and equipment, automated meter reading equipment, improvements to a sewer lift station, water and sewer line rehabilitation and line extensions into newly annexed areas. Project expenditures recommended for the CIP Period include:

Fiscal Year	Recommended Expenditures Water Fund	Recommended Expenditures Sewer Fund
2008	\$922,000	\$2,186,000
2009	\$1,419,000	\$4,106,000
2010	\$1,395,000	\$1,072,000
2011	\$2,595,000	\$5,031,000
2012	\$2,680,000	\$2,311,000

Revenues

The primary source of funding is utility sales revenues from water and sewer services. Large projects are funded through long-term debt, such as the proceeds from lease agreements or from State Revolving Loan Fund. The use of these additional sources lessens the need to utilize utility current revenue contributions.



Water Resources

Capital Improvement Program Highlights

- Both the Water and Sewer capital projects include projects for the extension of water and sewer lines in annexed areas.
- Continued progress on making improvements at pump stations.
- Continued funding for automated meter equipment project for water and sewer meters.
- Continued sewer line rehabilitation Project and manhole replacement program.
- Continued funding for the installation of a supervisory control and data acquisition (SCADA) system for the Water Resources Department.
- Provided funding for the construction of Equipment Storage Sheds to house Water/Sewer Services equipment.
- Provided funding for re-lining ductile iron water line pipes.
- Provided funding for replacement of equipment at the wastewater treatment oxygen plant.
- Provided funding to upgrade the pump station and collection system that serves the Town of Sharpsburg (the Town of Sharpsburg is expected to pay half the cost).

Previously Funded Projects

Project	Status
Laboratory Expansion	In-Progress
Biodigester Aerator Replacement	In-Progress
Water and Sewer Outfall extensions	In-Progress
Increased Water Plant security	In-Progress
Reservoir Water Plant Conversion	In-Progress
Electronic meter installation	In-Progress
Wastewater Treatment Dechlorination	Completed
Oversized Main Agreement projects for Sewer and Water Utility	In-Progress
SCADA monitoring system	In-Progress

Water Resources - Water

FUNDING SOURCES:	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Grants	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0
Capital Reserves	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Proceeds	\$1,390,000	\$0	\$435,000	\$505,000	\$1,858,000	\$1,930,000	\$4,728,000
General Fund Contributions	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Fund Contributions	\$1,400,000	\$922,000	\$984,000	\$890,000	\$737,000	\$750,000	\$4,283,000
TOTAL FUNDING	\$2,840,000	\$922,000	\$1,419,000	\$1,395,000	\$2,595,000	\$2,680,000	\$9,011,000

PROJECT DESCRIPTIONS:

Sunset Water Treatment Plant

Upgrade Sunset Water Plant Elevator	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0
Sunset WTP Force Main	\$0	\$140,000	\$0	\$0	\$0	\$0	\$140,000
Sunset Pump Projects	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000

Reservoir Water Treatment Plant

Reservoir Plant Electrical Conversion	\$747,000	\$0	\$0	\$0	\$0	\$0	\$0
Dewatering Building Projects	\$0	\$130,000	\$0	\$0	\$0	\$0	\$130,000
RWTP Effluent Dechlorination	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0
Bulk Chemical Storage Tanks	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000

Raw Water Reservoirs/Dams

Reservoir Water Quality Evaluation	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000
Hydrilla Management	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000

Water Mains Extensions & Enhancements

FY05 Debt Finance Main Extension Program	\$1,390,000	\$0	\$0	\$0	\$0	\$0	\$0
Battleboro System Improvements	\$0	\$72,000	\$0	\$0	\$315,000	\$0	\$387,000
Southeast Water System Improvments	\$0	\$0	\$0	\$0	\$270,000	\$0	\$270,000
Oak Level Main Extensions	\$0	\$0	\$0	\$0	\$0	\$350,000	\$350,000
Annex Area 4B Water Mains	\$0	\$0	\$10,000	\$87,000	\$0	\$0	\$97,000
Annexation Area 8B Water Mains	\$0	\$40,000	\$435,000	\$0	\$0	\$0	\$475,000
Annexation Area 12A Water Mains: Bunn Farm	\$0	\$0	\$0	\$0	\$60,000	\$630,000	\$690,000
Annexation Area 13 Water Mains	\$0	\$0	\$39,000	\$418,000	\$0	\$0	\$457,000
Minor Enhancements and Main Extensions	\$28,000	\$50,000	\$95,000	\$100,000	\$50,000	\$50,000	\$345,000
2" Main Replacement Program	\$100,000	\$100,000	\$125,000	\$125,000	\$125,000	\$100,000	\$575,000
Oversized Water Main Agreements	\$0	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000

Tanks and Pumps Stations

Water Resources SCADA System	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0
Water Tank Maintenance	\$0	\$0	\$200,000	\$0	\$200,000	\$0	\$400,000

Distribution System-Other

Electronic Meters Installation - Water	\$100,000	\$190,000	\$190,000	\$190,000	\$1,300,000	\$1,300,000	\$3,170,000
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Water Maintenance Services

Re-line Ductile Iron Pipe Water Lines	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$75,000	\$475,000
Heavy Equipment Storage Building	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000

TOTAL PROJECTS	\$2,840,000	\$922,000	\$1,419,000	\$1,395,000	\$2,595,000	\$2,680,000	\$9,011,000
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Water Resources - Water

Division: Water Services

Category: 6

Number:

8009

Title: Upgrade Sunset Water Plant Elevator

Project Description:

While the existing freight elevator at the Sunset Water Treatment Plant was partially reworked during the 1990 plant rehabilitation, it does not meet most existing elevator safety codes. It is grandfathered under these codes, but still is required to undergo an annual inspection. Additionally, it incurred other damage during the Floyd flooding. This proposed project will repair the flood damage, and replace the elevator's controls, safety features, and some parts suffering from age-related deterioration.

	PRIOR YEAR	2007-08	2008-09	2009-10	2010-11	2011-12	2008-12
PROJECT	COST	BUDGET	PLAN	PLAN	PLAN	PLAN	PLAN TOTAL
Planning							\$0
Construction	\$150,000						\$0
Equipment/Furnishing							\$0
TOTAL	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$150,000						\$0
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

Project will be completed in FY 2006-07.

Water Resources - Water

Division: Water Services

Category: 6

Number:

Title: Sunset WTP Force Main

Project Description:

Project will fund installation of a force main from the Sunset WTP sludge dewatering facilities along River Drive. This change will allow the discharge of decant water pumps into the gravity sewers. Decant water will no longer be discharged to the river. Advantages are an unpermitted (by the NC DENR) discharge and reduction in chemical cost by not having to dechlorinate. Sludge solids generated in the WTP will continue to be land applied as in the past.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction		\$140,000					\$140,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$140,000	\$0	\$0	\$0	\$0	\$140,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue		\$140,000					\$140,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$140,000	\$0	\$0	\$0	\$0	\$140,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

This project is scheduled for FY 2007-08.

Water Resources - Water

Division: Water Treatment

Category: 1

Number:

Title: Sunset Pump Projects

Project Description:

Funds will provide for repairs and upgrading of raw water pumps at the Sunset WTP.

(1) Rebuild #3 raw water pump (variable speed).

(2) Rebuild #1 raw water pump (fixed speed). Install variable speed drive

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Design			\$10,000				\$10,000
Legal/Acquisitions							\$0
Construction			\$40,000				\$40,000
TOTAL	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$0		\$50,000				\$50,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Sunset WTP is generally used as the peaking plant and operated at the rate needed in addition to the rate operated at the Reservoir WTP. Because of the need to vary the rates operated at Sunset WTP, the raw water pumps at Sunset operate at varying rates, dependant on system needs. Existing pumps have been in service since early '90's and are in need of refurbishing. A variable speed drive will be added to the #1 pump, giving the plant two variable volume and one fixed volume pumps.

Project Status:

Quotes received. This project will take place in FY 2008-09.

Water Resources - Water

Division: Water Services

Category: 7

Number:

8070

Title: Reservoir Plant Electrical Conversion

Project Description:

Funds for this project will be used to convert the Reservoir Water Treatment Plant electrical system from 4160 volts to a 480 volts electrical system. This system has been converted to 480 volts power for the raw water pumps located at the dam. The finished water pumps in the treatment plant will be replaced. Also as part of this project, finished water lines will be placed in sleeves where they pass through the building wall.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$747,000						\$0
Equipment/Furnishing							\$0
TOTAL	\$747,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$747,000						\$0
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$747,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

When the Reservoir Water Treatment Plant was constructed in 1972, 4160 volts power was considered standard for large electrical motors. As such, a 4160 volts motor was installed. Pump motors and switchgear are now 30-years old and replacement parts are difficult to obtain. With the conversion to lower voltage, the in-plant maintenance electrician will be able to work on the system. [High voltage maintenance is presently done by outside contractors.] Equipment will also be standardized at both water plants. Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-3 in that it provides for promoting an adequate and safe supply of water for the city and neighboring counties.

Project Status:

Conversion of electrical system, replacement of finished water pumps, and repairs to finished water transition section at building wall have been completed.

Water Resources - Water

Division: Water Treatment

Category: 5

Number:

Title: Dewatering Building Projects

Project Description:

1. Replace Trac-Vac drivers. - \$60,000 + \$6,000 engineering
2. Install additional storage/thickener tanks. \$40,000 + \$4,000 engineering
3. Replace press pressure wash pump. \$20,000

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition		\$10,000					\$10,000
Construction		\$120,000					\$120,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$130,000	\$0	\$0	\$0	\$0	\$130,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue		\$130,000					\$130,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$130,000	\$0	\$0	\$0	\$0	\$130,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Sludge dewatering systems at the Reservoir WTP have been in service for about 15 years. Trac-Vac drivers are to be replaced to upgrade to driver currently supplied by vendor. Casing of pump supplying high pressure (1500psi) wash water for washing the press cloths failed this year. Original pump to be replaced with less expensive pump. Additional sludge thickener/stg. tank will add to press flexibility. Minimize 2nd shift/weekend work, where possible, and deal with additional sludge caused by using Fe2SO4.

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP. to continue to providing quality utility service .

Project Status:

This project is scheduled for FY 2007-08.

Water Resources - Water

Division: Water Services

Category: 1

Number:

8045

Title: RWTP Effluent Dechlorination

Project Description:

Funds will be used to install chemical addition facilities to dechlorinate WTP effluent. New NPDES permit limits free chlorine discharges to the waters of the state to 28 ppb (the same as WWTP). Sodium bisulfite or sulfur dioxide will be used for dechlorination. Sunset Ave. WTP, for the time being, will discharge decanted water to the WWTP.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$100,000						\$0
Equipment/Furnishing							\$0
TOTAL	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$100,000						\$0
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

Engineering of project was awarded to The Wooten Company. Installation of equipment will begin in the 1st quarter of 2006.

Water Resources - Water

Division: Water Services

Category: 2

Number:

Title: Bulk Chemical Storage Tanks

Project Description:

This project would replace the two (2) fiberglass 20,000 gal bulk Ferric Sulfate storage tanks at the Tar River Water Treatment Plant. Tanks have been in service since 1974 when the Tar River WTP was built. Tanks are constructed of fiberglass and have received regular maintenance and inspections. However time and the weather has taken its toll on the tanks. We have had one minor failure of one of the Ferric Sulfate bulk storage. Tanks are contained within a berm but a failure could shut the treatment plant down until repairs could be made.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction				\$100,000			\$100,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue				\$100,000			\$100,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to provide quality utility service .

Project Status:

This project is scheduled for FY 2009-10.

Water Resources - Water

Division: Water Services

Category: 11

Number:

8030

Title: Reservoir Water Quality Evaluation

Project Description:

The objective of this project is to assess current water-quality conditions in the Tar River Reservoir and selected tributaries and to establish a database documenting changes in water-quality conditions. This database will be used to aid in defending and supporting programs designed to protect and maintain water quality in the Rocky Mount water plants watershed supply areas. The reservoir area is the fastest-growing development area of Nash County. Presently twenty-seven separate subdivisions are situated along the banks of the reservoir. All these subdivisions use septic tanks for waste disposal. In addition, the number of large-animal operations using land application of wastes continues to increase. These operations present the possible problem of increased pollutants entering the reservoir from the river. The proposed water-quality evaluation will establish a baseline that will serve as an early warning of reservoir contamination. Costs will be shared with the United States Geological Service.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000
Construction							\$0
Equipment/Furnishing							\$0
TOTAL	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-3 in that it provides for promoting an adequate and safe supply of water for the city and neighboring counties.

Project Status:

This project will begin in FY 2007-08.

Water Resources - Water

Division: Water Services

Category: 2

Number:

8094

Title: Hydrilla Management

Project Description:

An invasive species of water plant called Hydrilla has been imported into the Saponi Creek arm of the reservoir. If left alone, this water plant will spread to all parts of the reservoir clogging navigation and adding to the difficulty of treating the water. Chemical treatment and the use of sterile grass eating carp have been suggested as ways to hinder the spread of the "weed." Funds are to budgeted for efforts to control and eventually eradicate this plant.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction							\$0
Equipment/Furnishing	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
TOTAL	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Debt							\$0
Capital Reserves							\$0
Grants/Other	\$50,000						\$0
TOTAL	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-3 in that it provides for promoting an adequate and safe supply of water for the city and neighboring counties.

Project Status:

Chemical treatment began this past summer. Treatments will continue. Use of grass carp is still being deliberated. City will reimburse State for treatment provided.

Water Resources - Water

Division: Water Services

Category: 9

Number:

8049

Title: FY05 Debt Finance Main Extension Program

Project Description:

This project includes selected system improvements specified in the 2003 Water System Master Plan and extends water service and fire protection to rapidly developing areas within the City of Rocky Mount and its Extra-Territorial Jurisdiction (ETJ). Specific projects are identified under project status.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$1,390,000						\$0
Equipment/Furnishing							\$0
TOTAL	\$1,390,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue							\$0
Debt	\$1,390,000						\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$1,390,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-1 in that it provides for utility growth into un-served or underserved areas of Nash and Edgecombe Counties.

Project Status:

Project	Cost	Schedule	WSMP ID	Proj ID	Comment
Contract 1-Kingston					
Ave/Allen Street	\$ 145,447	complete		H	
Contract 2-Edgecombe					
County	\$ 298,213	complete		I	Cox Ave, Dalewood Dr, Privettes Hedge Dr
Contract 3-Nash County	\$ 177,229	complete		J	Freer Dr, Benvenue Forrest, Willow Glenn
Contract 4-Hunter	\$ 856,171	complete		K	
Hill/Old Battleboro					
Contract 5-	\$ 446,868	complete	I-1	L	
NC43/Rosewood					
Contract 12-Old Wilson	\$ 70,000	TBD	I-3	M	
Road/Blandwood Water					
Water Project	\$ 71,400	complete		N	
Water Easements and	\$ 5,564	complete		W	
Fees					
	\$ 2,070,893				

Water Resources - Water

Division: Water Resources

Category: 6

Number:

8071

Title: Battleboro System Improvements

Project Description:

This project is identified in the 2003 Water System Master Plan to address low pressures and deficient fire flows in Battleboro.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition		\$7,000			\$35,000		\$42,000
Construction		\$65,000			\$280,000		\$345,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$72,000	\$0	\$0	\$315,000	\$0	\$387,000

FUNDING SOURCE

Current Revenue							\$0
Enterprise Revenue		\$72,000					\$72,000
Debt					\$315,000		\$315,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$72,000	\$0	\$0	\$315,000	\$0	\$387,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-3 in that it provides for promoting an adequate and safe supply of water for the City and neighboring counties.

Project Status:

Project	Cost	Schedule	WSMP ID	Proj ID
Gainor Ave WM	\$ 36,000	FY 2007-08	I-3	
Denzel Ln WM	\$ 36,000	FY 2007-08	2010-6	
E Battleboro St WM	\$ 315,000	FY 2010-11	2010-7	
Old Battleboro Rd WM	\$ 440,000	FY 2012-13	2025-4	
	\$ 827,000			

Water Resources - Water

Division: Water Services

Category: 10

Number:

Title: Southeast Water System Improvements

Project Description:

Project was identified in the 2003 Water System Master Plan and provides for installation of new water mains to increase pressures and fire flow in the area.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition					\$27,000		\$27,000
Construction					\$243,000		\$243,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$0	\$270,000	\$0	\$270,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue					\$27,000		\$27,000
Debt					\$243,000		\$243,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$270,000	\$0	\$270,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-3 in that it provides for promoting an adequate and safe supply of water for the City and neighboring counties.

Project Status:

Project	Cost	Schedule	WSMP ID	Proj ID	Status
Norfolk St WM	\$ 270,000	FY 10-11	2025-1		
	\$ 270,000				

Water Resources - Water

Division: Water Services

Category:

Number:

Title: Oak Level Main Extensions

Project Description:

This project provides for the construction of new 16" trunk lines along Oak Level Rd, Old Carriage Rd and Old Spring Hope Rd to provide an additional feed to Nashville, expand service to developing areas, and improve system deficiencies. It is anticipated that the cost of this project will be shared between Nashville, Nash County and the City. The schedule for the line extensions is listed below. A future 0.75 MG Tank planned for out years is listed a separate CIP.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition						\$350,000	\$350,000
Construction							\$0
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$350,000	\$350,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue						\$350,000	\$350,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$350,000	\$350,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-1 in that it provides for planning service line extensions and replacement consistent with the Comprehensive Plan. Future tank in in Oak Level Tank

Project Status:

Project	Cost	Schedule	WSMP ID	Proj ID
Old Carriage Rd WM	\$ 580,000	FY 2011-12	2010-4	
Oak Level Rd WM	\$ 1,740,000	TBD	2010-3	
Old Spring Hope Rd WM	\$ 1,200,000	TBD		
	\$ 3,520,000			

Water Resources - Water

Division: Water Services

Category: 1

Number:

8402

Title: Annex Area 4B Water Mains

Project Description:

This project provides for extension of a 6" water mains on Avalon Rd and Stillmeadow Ln to provide required fire protections and distribution to annexation area 4B.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition	\$0		\$10,000				\$10,000
Construction	\$0			\$87,000			\$87,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$10,000	\$87,000	\$0	\$0	\$97,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$0		\$10,000				\$10,000
Debt				\$87,000			\$87,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$10,000	\$87,000	\$0	\$0	\$97,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project provides water service and fire protection for the annexation area. Water Trunk lines are already in the area.

Project Status:

Project	Cost	Schedule	Proj ID
AA 4b Distribution	\$ 97,000		

Water Resources - Water

Division: Water Services

Category: 1

Number:

8402

Title: Annexation Area 8B Water Mains

Project Description:

This project provides for extension of 12" water mains in Cooley Road and Pridgen Road to serve annexation area 8B and extension of a 6" main in Porter Rd to provide water service and the required fire protection. Extension of other service lines in the area will be by petition.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition		\$40,000					\$40,000
Construction			\$435,000				\$435,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$40,000	\$435,000	\$0	\$0	\$0	\$475,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue		\$40,000					\$40,000
Debt			\$435,000				\$435,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$40,000	\$435,000	\$0	\$0	\$0	\$475,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project extends trunk water main into the annexation area as required. This main will also serve as a distribution line for properties along Cooley and Pridgen Roads. This project will also extend a main along Porter Rd to provide the necessary fire protection to the annexation area.

Project Status:

Project	Size	Cost	Schedule	Proj ID
Cooley Rd WM	12	\$ 182,000	FY 2008-09	
Pridgen Rd WM	12	\$ 197,000	FY 2008-09	
Porter Rd WM	6	\$ 96,000	FY 2008-09	
		\$ 475,000		

Water Resources - Water

Division: Water Services

Category: 1

Number:

8402

Title: Annexation Area 12A Water Mains: Bunn Farm

Project Description:

Project provides for extension of 6" water mains in the Bunn Farm Subdivision to provide water service and the required fire protection.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition					\$60,000		\$60,000
Construction						\$630,000	\$630,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$0	\$60,000	\$630,000	\$690,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$0				\$60,000		\$60,000
Debt						\$630,000	\$630,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$60,000	\$630,000	\$690,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project extends water mains to provide fire protection and water service to annexation area 12 within Bunn Farms.

Project Status:

Project	Size	Cost	Schedule	Proj ID
Bunn Farm WM	6	\$688,000	FY 2011-12	

Water Resources - Water

Division: Water Services

Category: 1

Number:

8402

Title: Annexation Area 13 Water Mains

Project Description:

This project provides for extension of a 12" water main on Peele Road to serve annexation area 13 as well as extension of service lines to Toddsberry Rd, Muscadine Rd, Ely Rd to provide the required fire protection

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition			\$39,000				\$39,000
Construction				\$418,000			\$418,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$39,000	\$418,000	\$0	\$0	\$457,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$0		\$39,000				\$39,000
Debt				\$418,000			\$418,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$39,000	\$418,000	\$0	\$0	\$457,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project provides fire protection and water service within annexation area 13 (Toddsberry Rd, Muscadine Rd, Ely Rd).

Project Status:

Project	Size	Cost	Schedule	Proj ID
Peele Rd WM-Const	12	\$ 375,000	FY 2009-10	
AA 13 Distribution	6	\$ 82,000	FY 2009-10	
		\$ 457,000		

Water Resources - Water

Division: Water Services

Category: 1

Number:

8381

Title: Minor Enhancements and Main Extensions

Project Description:

This project provides for small scale system enhancement projects and water main extensions required for fire protection and water service requests as approved by the City Council through the petition process. Currently identified projects are listed below and a contingency is provided to allow for construction of unidentified projects requiring immediate action.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$28,000	\$50,000	\$95,000	\$100,000	\$50,000	\$50,000	\$345,000
Equipment/Furnishing							\$0
TOTAL	\$28,000	\$50,000	\$95,000	\$100,000	\$50,000	\$50,000	\$345,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$28,000	\$50,000	\$95,000	\$100,000	\$50,000	\$50,000	\$345,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$28,000	\$50,000	\$95,000	\$100,000	\$50,000	\$50,000	\$345,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-1 in that it provides for planning service line extensions and replacement consistent with the Comprehensive Plan.

Project Status:

Project	Cost	Schedule	WSMP ID	Proj ID	Petition Extension
Spring Street WM	\$ 28,000	FY 2006-07			
Goldrock Tank Interconn	\$ 45,000	FY 2008-09	2010-5		
Lewy Ln WM	\$ 50,000	FY 2009-10			
Annual Contingency	\$ 50,000	On going			

Water Resources - Water

Division: Water Services Category: 6 Number: 8406

Title: 2" Main Replacement Program

Project Description:

This program is intended to improve fire protection and reduce water losses due to leaks by replacing selected sections of 2" galvanized water mains throughout the City with new 6" mains over time. Currently, there are about 200,000 linear feet of 2" galvanized steel water lines in the water distribution system. Nearly all of it is beyond its 20 year useful life. The schedule and anticipated cost for the initial project areas are listed below.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$100,000	\$100,000	\$125,000	\$125,000	\$125,000	\$100,000	\$575,000
Equipment/Furnishing							\$0
TOTAL	\$100,000	\$100,000	\$125,000	\$125,000	\$125,000	\$100,000	\$575,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$100,000	\$100,000	\$125,000	\$125,000	\$125,000	\$100,000	\$575,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$100,000	\$100,000	\$125,000	\$125,000	\$125,000	\$100,000	\$575,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-1 in that it provides for planning service line extensions and replacement consistent with the Comprehensive Plan.

Project Status:

Project	Cost	Schedule	Proj ID
Hargrove St Area	\$ 100,000	FY 2007-08	
Battleboro Area	\$ 100,000	FY 2008-09	
Beale St Area	\$ 125,000	FY 2009-10	
Highland Ave Area	\$ 125,000	FY 2010-11	
Paul Street Area	\$ 125,000	FY 2011-12	
Beverly Rd Area	\$ 125,000	FY 2012-13	
	\$ 700,000		

Water Resources - Water

Division: Water Services

Category: 9

Number:

8390

Title: Oversized Water Main Agreements

Project Description:

City policy requires developers to extend water mains. The City, based upon its future needs, may want a developer to install a larger main than is needed for the development. When such a case arises, the City will enter into an oversized agreement with the developer to offset the additional cost associated with installation of the line. Under this agreement, the City agrees to pay the difference in cost between the main needed for development and the main it requires.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction			\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-1 in that it provides for planning service line extensions and replacement consistent with the Comprehensive Plan and Strategy D-5 which promotes private sector investment in the extension of water and sewer mains. Some uncommitted funds are held in this project to accommodate un-anticipated oversize opportunities.

Project Status:

Project	Cost	Schedule	Proj ID
No contracts are pending			

Water Resources - Water

Division: Water Services

Category: 8

Number:

8010

Title: Water Resources SCADA System

Project Description:

Project funds will provide for evaluation, specifications, and installation of a supervisory control and data acquisition (SCADA) system for the Water Resources Department. This system will provide remote monitoring, data acquisition, and control at water tanks, water pumping stations, and remote areas of the treatment plants. Monitoring of these areas at present is only by personnel visitation. The SCADA system will provide the capability of more continuous monitoring in these remote areas.

	PRIOR YEAR	2007-08	2008-09	2009-10	2010-11	2011-12	2008-12
PROJECT	COST	BUDGET	PLAN	PLAN	PLAN	PLAN	PLAN TOTAL
Planning/Acquisition							\$0
Construction							\$0
Equipment/Furnishing	\$25,000						\$0
TOTAL	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$25,000						\$0
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-2 in that it provides for insuring regulatory permit compliance.

Project Status

All future activity in this project has been moved to the Operating Budget as it involves minimal expenditures and equipment with life of less than five years.

Water Resources - Water

Division: Water Services

Category: 7

Number:

8050

Title: Water Tank Maintenance

Project Description:

This project funds the repainting of the city's overhead storage water tanks. The proposed schedule approximates the lifetime of the paint and allows for periodic inspection and repair. Tank painting is scheduled for Marigold (FY 08-09), Paul St. (FY 10-11), Airport and Nash Tech in future years.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning							\$0
Construction			\$200,000		\$200,000		\$400,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$200,000	\$0	\$200,000	\$0	\$400,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$200,000		\$200,000		\$400,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$200,000	\$0	\$200,000	\$0	\$400,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

Marigold Tank was last painted in 1985.

Water Resources - Water

Division: Water Services

Category: 11

Number:

8090

Title: Electronic Meters Installation - Water

Project Description:

This pilot project will fund the installation of electronic water meters in conjunction with electronic gas and electric meters. Should the project prove successful, all water meters would be changed to electronic. Cost are shared with Sewer Fund: 55% Water Fund / 45% Sewer Fund. Approximately 26,600 meters will be replaced at a cost of \$170 per meter including

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$20,000	\$30,000	\$30,000	\$30,000			\$90,000
Equipment/Furnishing	\$80,000	\$160,000	\$160,000	\$160,000	\$1,300,000	\$1,300,000	\$3,080,000
TOTAL	\$100,000	\$190,000	\$190,000	\$190,000	\$1,300,000	\$1,300,000	\$3,170,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$100,000	\$190,000	\$190,000	\$190,000			\$570,000
Debt					\$1,300,000	\$1,300,000	\$2,600,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$100,000	\$190,000	\$190,000	\$190,000	\$1,300,000	\$1,300,000	\$3,170,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

Meters are currently installed when appropriate opportunities arise. Planning has commenced on the overall installation, scheduled to begin in FY 2010-11 and occur over three years.

Water Resources - Water

Division: Water Services Category: 2 Number: 8387

Title: Re-line Ductile Iron Pipe Water Lines

Project Description:

This project in the first years will provide funds for relining the 60 year-old water lines in Swealton Heights, Rose Street and Washington Streets.. The lining rehabilitation of the lines, which will cost about \$35 per foot, will prevent corrosion and subsequent discoloration of the water. When completed, the lines should have an additional 40-60 years of life.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$75,000	\$475,000
Equipment/Furnishing							\$0
TOTAL	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$75,000	\$475,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$75,000	\$475,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$75,000	\$475,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-1 in that it provides for planning service line extensions and replacement consistent with the Comprehensive Plan.

Project Status:

Completed project on West Haven Blvd. and Washington St. this year.

Water Resources - Water

Division: Water Services

Category: 7

Number:

Title: Heavy Equipment Storage Building

Project Description:

A second equipment storage building is proposed for storing of backhoes, etc. out of the weather. This building is contingent on results of the study of Albemarle St. facilities.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction				\$100,000			\$100,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue				\$100,000			\$100,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000

Est. Annual Operating Costs:	Start up	\$	-	Recurring	\$	-
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Justification:

Equipment now spend off duty hours uncovered in the weather.

Project Status:

Future activity on the project is pending completion of the Albemarle St. Master Plan.



Water Resources - Sewer

	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
FUNDING SOURCES:							
Grants	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Capital Reserves	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt	\$3,695,000	\$1,035,000	\$3,111,000	\$90,000	\$3,807,000	\$900,000	\$8,943,000
General Fund Contribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sewer Fund Contribution	\$1,924,000	\$901,000	\$995,000	\$982,000	\$1,224,000	\$1,411,000	\$5,513,000
TOTAL FUNDING	\$5,619,000	\$2,186,000	\$4,106,000	\$1,072,000	\$5,031,000	\$2,311,000	\$14,706,000

PROJECT DESCRIPTIONS:

Wastewater Treatment Plant

WWTP Telemetry	\$0	\$0	\$60,000	\$0	\$60,000	\$0	\$120,000
WWTP Road Paving	\$0	\$0	\$85,000	\$0	\$60,000	\$0	\$145,000
BioSolids Digester Aerators	\$3,695,000	\$0	\$0	\$0	\$0	\$0	\$0
Laboratory Expansion	\$1,100,000	\$0	\$0	\$0	\$0	\$0	\$0
Replace Internal Recycle Pumps	\$72,000	\$0	\$0	\$0	\$0	\$0	\$0
PURPA Additions to WWTP Gen Sets	\$0	\$0	\$0	\$0	\$45,000	\$225,000	\$270,000
Resealing Aeration Basins	\$0	\$0	\$75,000	\$80,000	\$70,000	\$70,000	\$295,000
Mobile Hi-Pressure Washer	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oxygen Plant Thermal Swing Drier	\$0	\$0	\$0	\$0	\$0	\$900,000	\$900,000
Oxygen Plant Main Air Compressor	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000

Collection System Extension Program

Grape Branch Sewer	\$0	\$0	\$0	\$0	\$0	\$180,000	\$180,000
Jeffreys Court Sewer Main	\$0	\$0	\$0	\$37,000	\$190,000	\$0	\$227,000
Maple Creek Outfall Extension	\$0	\$1,285,000	\$0	\$0	\$3,417,000	\$0	\$4,702,000
Compass Creek Outfall-AA 4B	\$0	\$200,000	\$1,473,000	\$0	\$0	\$0	\$1,673,000
Cokey Rd/Glendale Dr Sewer-AA 7B	\$0	\$0	\$27,000	\$128,000	\$0	\$0	\$155,000
Cooley Rd/S. Wesleyan Sewer- AA 8B	\$0	\$88,000	\$557,000	\$0	\$0	\$0	\$645,000
Bell Aire Estates Sewer, AA 8A	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000
Hornbeam Branch Outfall-AA 13	\$0	\$0	\$24,000	\$167,000	\$0	\$0	\$191,000
College Road Collection- Petition from Annexation Area 4A	\$0	\$0	\$0	\$0	\$29,000	\$238,000	\$267,000
Minor Line Extensions	\$80,000	\$50,000	\$50,000	\$50,000	\$35,000	\$35,000	\$220,000
Oversized Sewer Main Agreements	\$167,000	\$125,000	\$50,000	\$50,000	\$35,000	\$35,000	\$295,000

Pump Station and Force Main Construction

Gold Rock Lift Station Rehab	\$0	\$0	\$70,000	\$0	\$0	\$0	\$70,000
Fenner Road Pump Station Removal/Upgrade	\$0	\$0	\$405,000	\$0	\$0	\$0	\$405,000
Cokey Rd PS/FM: Annex Area 7B	\$0	\$0	\$412,000	\$0	\$0	\$0	\$412,000
Cooley Rd PS/FM- Annex Areas 8B	\$0	\$48,000	\$363,000	\$0	\$0	\$0	\$411,000

Pump Station Equipment

Sewer Lift Station Generators	\$45,000	\$55,000	\$55,000	\$60,000	\$30,000	\$33,000	\$233,000
Lift Station SCADA Project	\$0	\$60,000	\$50,000	\$50,000	\$0	\$0	\$160,000

Water Resources - Sewer

	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Collection System-Other							
Electronic Meters Installation - Sewer	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0
Sewer Maintenance Services							
Sewer Rehabilitation Program	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Equipment Replacement - Sewer	\$145,000	\$0	\$0	\$150,000	\$420,000	\$295,000	\$865,000
Equipment Storage Sheds	\$0	\$0	\$0	\$0	\$90,000	\$0	\$90,000
Manhole Rehabilitation Program - Sewer	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
NC-97 Outfall Evaluation	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Technical Services							
Water Quality Evaluation	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000
Total Organic Carbon Analyzer	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000
TOTAL PROJECTS	\$5,619,000	\$2,186,000	\$4,106,000	\$1,072,000	\$5,031,000	\$2,311,000	\$14,706,000

Water Resources - Sewer

Division: Sewer Category: 10 Number:

Title: WWTP Telemetry

Project Description:

Project proposes to develop an in-house SCADA system allowing monitoring, control, and of operating equipment and recording control parameters at WWTP. The NC97 lift station would be a part of this network. Observation of operational basins and storage tank levels, start and stopping of pumps, instrumental monitoring of control parameters would be possible with current radio communication and computer equipment. This system would be done on a build it by pieces, much as the Water Plant SCADA has been done.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning							\$0
Construction			\$60,000		\$60,000		\$120,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$60,000	\$0	\$60,000	\$0	\$120,000

FUNDING SOURCE

Current Revenue							\$0
Enterprise Revenue			\$60,000		\$60,000		\$120,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$60,000	\$0	\$60,000	\$0	\$120,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-2 in that it provides for insuring regulatory permit compliance.

Project Status:

Funding for this project is scheduled for FY 2008-09 and FY 2010-11.

Water Resources - Sewer

Division: Sewer Category: 10 Number:

Title: WWTP Road Paving

Project Description:

This project will continue the repaving of roads within the Wastewater Treatment Plant (WWTP). Light duty roads were built in 1980 when plant was constructed. Sub-grade needs work as well as repaving roads surfaces.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction			\$85,000		\$60,000		\$145,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$85,000	\$0	\$60,000	\$0	\$145,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$85,000		\$60,000		\$145,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$85,000	\$0	\$60,000	\$0	\$145,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-1 in that it provides for utility master planning for expansion and maintenance needs.

Project Status:

Project will be coordinated with City street re-paving bids to obtain the best prices.

Water Resources - Sewer

Division: Sewer Category: 7 Number: 8842

Title: BioSolids Digester Aerators

Project Description:

Existing digester aerators and mixers have been maintenance problems since installation. Because these pieces of mechanical equipment have submerged electric motors, they require expensive mechanical seals and bearings. These large pieces of equipment must be completely removed from the digesters and decontaminated before maintenance. Annual maintenance expenses have exceeded \$20,000 to keep these vital pieces of equipment in operation. This figure includes a contractual service plus the force- account maintenance labor spent keeping them in operation. In addition, there rarely is a time when all aerators and mixers are in service, limiting the effectiveness of the digesters in preparing biosolids for land application.

It is proposed to install a system without submerged motors and bearings increasing system reliability and lowering maintenance expense.

PROJECT	COST	BUDGET	PLAN	PLAN	PLAN	PLAN	PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$3,695,000						\$0
Equipment/Furnishing							\$0
TOTAL	\$3,695,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue							\$0
Debt	\$3,695,000						\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$3,695,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-2 in that it provides for insuring regulatory permit compliance.

Project Status:

Engineering evaluation of options has been completed and design begun. A revolving loan with the state was secured in FY 2005-06 for \$3,695,000.

Water Resources - Sewer

Division: Sewer Category: 5 Number: 8801

Title: Laboratory Expansion

Project Description:

This project will fund the expansion of laboratory space and offices needed to accommodate additional technicians, more types of analyses and a much larger pretreatment program. This work was planned as a part of the 1993 expansion, but deleted to reduce project cost. Other foreseeable changes include HVAC improvements and installation of vestibules to reduce heat transfer during the summer and winter.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning							\$0
Construction	\$1,100,000						\$0
Equipment/Furnishing							\$0
TOTAL	\$1,100,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$1,100,000						\$0
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$1,100,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

Design has been completed and bids taken. Installment financing was secured in FY 2004-05.

Water Resources - Sewer

Division: Sewer Category: 6, 7 Number:

Title: Replace Internal Recycle Pumps

Project Description:

Internal sludge recycle pumps in the C&D treatment trains were installed in the early 1990's. These four pumps recycle sludge to the head of the treatment system to increase solids content and assist in creating the conditions necessary for Nitrogen removal. They are located inside the sealed treatment tanks and as such are subject to heat, fumes and moisture. Past six month repair costs have been about \$15,000. It is proposed to replace these pumps with sludge pumps installed outside the basins as they are in A&B trains. Exterior installation will make the pumps available for maintenance and remove them from the corrosive conditions.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition	\$8,000						\$0
Construction	\$4,000						\$0
Equipment/Furnishing	\$60,000						\$0
TOTAL	\$72,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$72,000						\$0
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$72,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-2 in that it provides for insuring regulatory permit compliance.

Project Status:

This project is underway and in the early stages.

Water Resources - Sewer

Division: Sewer Category: 12 Number:

Title: PURPA Additions to WWTP Gen Sets

Project Description:

In order for the WWTP generators to meet the requirements of the City's contracts with ElectriCities and the Power Agency, it will be necessary to provide for additional operational purpose. It is proposed to use the waste heat from the generators to warm the plant process water. Warm water is more conducive to a high level of biological activity in the aeration basins.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition					\$45,000		\$45,000
Construction						\$225,000	\$225,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$0	\$45,000	\$225,000	\$270,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue					\$45,000	\$225,000	\$270,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$45,000	\$225,000	\$270,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Meet PURPA requirements for use of generators other than for emergencies.

Project Status:

Project design is funded in FY 2010-11, with construction in FY 2011-12..

Water Resources - Sewer

Division: Sewer Sewer Category: 9 Number: 8703

Title: Resealing Aeration Basins

Project Description:

Project proposes to take one treatment train out of service each summer, clean the accumulated sand and other materials which may have accumulated in the square basin "dead-spots" and re-seal the caulked seams of the basin, assuring them to be air tight. Cleaning accumulated solids will recover detention time and help the basins perform more efficiently. Recaulking the basins will improve oxygen efficiency by eliminating leaks.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction			\$75,000	\$80,000	\$70,000	\$70,000	\$295,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$75,000	\$80,000	\$70,000	\$70,000	\$295,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$75,000	\$80,000	\$70,000	\$70,000	\$295,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$75,000	\$80,000	\$70,000	\$70,000	\$295,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-2 in that it provides for insuring regulatory compliance.

Project Status:

This project is scheduled to start in FY 2008-09.

Water Resources - Sewer

Division: Sewer Category: 9 Number:

Title: Mobile Hi-Pressure Washer

Project Description:

Previously as sewer jets have been replaced they were shunted off to the WWTP for their last years of life. That meant the WWTP usually paid lots of repair costs for a worn out jet truck. It is proposed to convert a surplus truck to the WWTP needs by adding a 1000 gallon water tank and a high pressure pump and hose assembly. Use of an existing truck with new pump and accessories should lower the costs to WWTP by not having to repair a jet-truck already in poor condition.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction							\$0
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue							\$0
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-2 in that it provides for insuring regulatory permit compliance.

Project Status:

This project will be funded out of the operating budget in a future year and is no longer part of the CIP.

Water Resources - Sewer

Division: Sewer Category: 8 Number: 8502

Title: Oxygen Plant Thermal Swing Drier

Project Description:

This project will provide funds for the purchase of a non-mechanical drier for the Waste Water Treatment Plant Oxygen Plant. Existing plant equipment works through 2 heat exchangers with a valve mechanically switching from one to the other as the heat exchanger in use becomes blocked by moisture removed as ice from the feed air. Switching can cause system upsets. The replacement will use 2 towers with molecular sieves to remove the moisture. Regeneration will occur less often and not cause plant pressure swings.

	PRIOR YEAR	2007-08	2008-09	2009-10	2010-11	2011-12	2008-12
PROJECT	COST	BUDGET	PLAN	PLAN	PLAN	PLAN	PLAN TOTAL
Planning							\$0
Construction							\$0
Equipment/Furnishing						\$900,000	\$900,000
TOTAL	\$0	\$0	\$0	\$0	\$0	\$900,000	\$900,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue							\$0
Debt						\$900,000	\$900,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$900,000	\$900,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Improvement in plant operations. Change will reduce amount of mechanical equipment. Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service.

Project Status:

This project is scheduled for FY 2011-12.

Water Resources - Sewer

Division: Sewer Category: 8 Number:

Title: Oxygen Plant Main Air Compressor

Project Description:

Funds for this project will be provided to purchase, install, and activate a spare air compressor at the Wastewater Treatment Plant oxygen plant.

The City presently has two compressors. One is a piece of original plant equipment. The other is a rebuilt compressor from the early '90's.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning							\$0
Construction							\$0
Equipment/Furnishing					\$200,000		\$200,000
TOTAL	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000

FUNDING SOURCE

Current Revenue							\$0
Enterprise Revenue							\$0
Debt					\$200,000		\$200,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

This project is scheduled for FY 2010-11.

Water Resources - Sewer

Division: Sewer Category: 10 Number: 8594

Title: Grape Branch Sewer

Project Description:

This project will provide for the extension of the Grape Branch 12" sewer line approximately 2,200 feet from the end of the existing line to Beechwood Drive. This project will provide gravity sewer service to the area Beechwood Drive area.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition						\$30,000	\$30,000
Construction						\$150,000	\$150,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$180,000	\$180,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue						\$180,000	\$180,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$180,000	\$180,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-1 in that it provides for utility growth into un-served or underserved areas of Nash and Edgecombe Counties.

Project Status:

Water Resources - Sewer

Division: Sewer Category: 10 Number:

Title: Jeffreys Court Sewer Main

Project Description:

This project would extend a gravity sewer up Jeffreys Court that would provide gravity sewer service to homes along Jeffreys Court and portions of Gold Rock Rd as well as to those properties fronting Benvenue Road. Homes along Jeffreys Court have failing septic tanks and need gravity sewer service.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition				\$37,000			\$37,000
Construction					\$190,000		\$190,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$37,000	\$190,000	\$0	\$227,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue				\$37,000	\$190,000		\$227,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$37,000	\$190,000	\$0	\$227,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective C-1 in that it provides for planning service line extensions and replacement consistent with the Comprehensive Plan.

Project Status:

Project	Size	Cost	Schedule	Proj ID
Jeffery's Ct SM	10	\$ 150,000	FY 2010-11	
Goldrock Rd SM	8	\$ 77,000	FY 2010-11	
		\$ 227,000		

Water Resources - Sewer

Division: Sewer Category: 10 Number: 8595

Title: Maple Creek Outfall Extension

Project Description:

This project will extend the existing Maple Creek outfall approximately 40,000 feet along Maple Creek, Bent Creek and an unnamed tributary from Warrington Court to Old Spring Hope Road. This project is necessary to serve the proposed Old Mill Steam Subdivision on Halifax Road and developing areas west of I-95. The project is proposed to be constructed in multiple phases described below. The upgrade of Maple Creek Pump Station and Force Main is a companion to this project.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition		\$417,000			\$159,000		\$576,000
Construction		\$868,000			\$3,258,000		\$4,126,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$1,285,000	\$0	\$0	\$3,417,000	\$0	\$4,702,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue							\$0
Debt		\$1,035,000			\$3,417,000		\$4,452,000
Capital Reserves							\$0
Grants/Other		\$250,000					\$250,000
TOTAL	\$0	\$1,285,000	\$0	\$0	\$3,417,000	\$0	\$4,702,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This project is required to adequately serve sewer to the proposed annexation area and City's anticipated highest growth area. Anticipated Phases based upon projected development areas

Phase 1: Warrington Court to Hunter Hill Road

Phase 2: Hunter Hill Road to I-95

Phase 3: I-95 to Old Spring Hope Road along northern and southern tributaries

Project Status:

Project	Cost	Schedule	Proj ID
Planning/Design (Entire Project)	\$ 375,000	FY 2007-08	
Acquisition Phase 1	\$ 42,000	FY 2007-08	
Construction Phase 1	\$ 868,000	FY 2007-08	
Acquisition Phase 2	\$ 57,000	FY 2010-11	
Construction Phase 2	\$ 1,158,000	FY 2010-11	
Acquisition Phase 3	\$ 102,000	FY 2010-11	
Construction Phase 3	\$ 2,100,000	FY 2010-11	
	\$ 4,702,000		

Water Resources - Sewer

Division: Sewer Category: 10 Number: 8595

Title: Compass Creek Outfall-AA 4B

Project Description:

This project will extend an outfall line along Compass Creek from the 54" Tar River interceptor sewer to Moores pump station on Wesleyan Blvd. This project is necessary to provide sewer service to Annexation Area 4b and to remove Moor's Pump Station flow from downstream lift stations. Construction of this project will delay the upgrade downstream pump stations identified in the 2003 Sewer Master Plan for the foreseeable future. The Fenner Rd lift Station upgrade is a companion to this project and will evaluate the possibility of extending the Compass Creek Outfall to Fenner Rd in lieu of reconstructing the existing lift station.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition		\$200,000					\$200,000
Construction			\$1,473,000				\$1,473,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$200,000	\$1,473,000	\$0	\$0	\$0	\$1,673,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue		\$200,000					\$200,000
Debt			\$1,473,000				\$1,473,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$200,000	\$1,473,000	\$0	\$0	\$0	\$1,673,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This project is required to adequately serve sewer to the proposed annexation area, and to allow the Moores pump station to be decommissioned at a later date.

Project Status:

Project design is scheduled for FY 2007-08, with construction in FY 2008-09 in order to meet annexation requirements.

Water Resources - Sewer

Division: Sewer Category: 10 Number: 8595

Title: Cokey Rd/Glendale Dr Sewer-AA 7B

Project Description:

This project will establish an 8" sewer collection system along Glenddake Drive and Cokey Road to serve annexation area 7B. The Cokey Road Pump Station project is a companion to this project and is necessary to provide sewer service to the area.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition			\$27,000				\$27,000
Construction				\$128,000			\$128,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$27,000	\$128,000	\$0	\$0	\$155,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$27,000	\$128,000			\$155,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$27,000	\$128,000	\$0	\$0	\$155,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This collector system is required to adequately serve the area.

Project Status:

Project design is scheduled for FY 2008-09, with construction in FY 2009-10 in order to meet annexation requirements.

Water Resources - Sewer

Division: Sewer Category: 10 Number: 8595

Title: Cooley Rd/S. Wesleyan Sewer- AA 8B

Project Description:

This project will construct a 12" sewer collection system along Cooley Rd and South Wesleyan Blvd to serve the western portion of annexation area 8B. This sewer line will discharge into the Cooley Road Pump Station which is a companion to this project.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition		\$88,000					\$88,000
Construction			\$557,000				\$557,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$88,000	\$557,000	\$0	\$0	\$0	\$645,000

FUNDING SOURCE

Current Revenue							\$0
Enterprise Revenue		\$88,000					\$88,000
Debt			\$557,000				\$557,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$88,000	\$557,000	\$0	\$0	\$0	\$645,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This collector system is required to adequately serve areas 8A and 8B.

Project Status:

Project design is scheduled for FY 2007-08, with construction in FY 2008-09 in order to meet annexation requirements.

Water Resources - Sewer

Division: Sewer Category: 10 Number: 8595

Title: Bell Aire Estates Sewer, AA 8A

Project Description:

This project provides for purchase of approximately 3200 feet of existing 8" sewer lines in Bell Aire Estates from Nash Co. to serve annexation area 8A. These sewer lines discharge into a pump station that is owned and operated by the county.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition					\$50,000		\$50,000
Construction							\$0
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue					\$50,000		\$50,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This collector system is required to adequately serve areas 8A and 8B.

Project Status:

Project design will take place in FY 2010-11, with construction scheduled when necessary.

Water Resources - Sewer

Division: Sewer Category: 10 Number: 8595

Title: Hornbeam Branch Outfall-AA 13

Project Description:

This project will extend the 18"outfall line along Hornbeam Branch from Oaks Trail Rd, across Peele Road, and ending at Muscadine Road.

Line is required to provide sewer availability to Annexation Area 13

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition			\$24,000				\$24,000
Construction				\$167,000			\$167,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$24,000	\$167,000	\$0	\$0	\$191,000

FUNDING SOURCE

Current Revenue							\$0
Enterprise Revenue			\$24,000	\$167,000			\$191,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$24,000	\$167,000	\$0	\$0	\$191,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This project is required to adequately serve sewer to the proposed annexation area. Petition projects are anticipated for collection system(s) to this proposed outfall line.

Project Status:

Project design is scheduled for FY 2008-09, with construction in FY 2009-10 in order to meet annexation requirements.

Water Resources - Sewer

Division: Sewer Category: 10 Number: 8595

Title: College Road Collection- Petition from Annexation Area 4A

Project Description:

This project will establish a collector system for a proposed petition pump station within proposed Annexation Area 4A.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Design					\$22,000		\$22,000
Legal/Aquisitions					\$7,000		\$7,000
Construction						\$238,000	\$238,000
TOTAL	\$0	\$0	\$0	\$0	\$29,000	\$238,000	\$267,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue					\$29,000	\$238,000	\$267,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$29,000	\$238,000	\$267,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

This collector system is required to adequately serve areas 4A.

Project Status:

Project design is scheduled for FY 2010-11, with construction in FY 2011-12.

Water Resources - Sewer

Division: Sewer Category: 7 Number: 8590

Title: Minor Line Extensions

Project Description:

This project provides for small scale system enhancement projects and sewer main extensions requests as approved by the City Council through the petition process. The currently identified projects are listed below and a contingency is provided to allow for construction of emergency projects that require immediate action.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$80,000	\$50,000	\$50,000	\$50,000	\$35,000	\$35,000	\$220,000
Equipment/Furnishing							\$0
TOTAL	\$80,000	\$50,000	\$50,000	\$50,000	\$35,000	\$35,000	\$220,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$80,000	\$50,000	\$50,000	\$50,000	\$35,000	\$35,000	\$220,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$80,000	\$50,000	\$50,000	\$50,000	\$35,000	\$35,000	\$220,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-1 in that it provides for utility growth into un-served or underserved areas of Nash and Edgecombe Counties.

Project Status:

Project	Size	Cost	Schedule	Proj ID
Spring Street SM		\$38,000		
Woodruff Road, Phase		\$150,000		
Viverette Avenue		\$20,000		
Swift Rd SM		\$0		
Annual Contingency		\$50,000		
		\$258,000		

Water Resources - Sewer

Division: Sewer Category: 9 Number: 8596

Title: Oversized Sewer Main Agreements

Project Description:

As a requirement for development, developers must extend sewer mains. The city, based on its future needs, may require the developer to install a larger size main than needed for the development. In such cases, the City will enter into an Oversize Main Agreement with the developer in which the City agrees to pay the difference in cost between the main needed for development and the one it requires. Current oversize agreements are listed below

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$167,000	\$125,000	\$50,000	\$50,000	\$35,000	\$35,000	\$295,000
Equipment/Furnishing							\$0
TOTAL	\$167,000	\$125,000	\$50,000	\$50,000	\$35,000	\$35,000	\$295,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$167,000	\$125,000	\$50,000	\$50,000	\$35,000	\$35,000	\$295,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$167,000	\$125,000	\$50,000	\$50,000	\$35,000	\$35,000	\$295,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-1 in that it provides for utility growth into un-served or underserved areas of Nash and Edgecombe Counties.

Project Status:

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Sunset MHP	\$125,000	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Villas at Wesleyan	\$41,071	\$0	\$0	\$0	\$0	\$0	\$0
	\$166,071	\$125,000	\$0	\$0	\$0	\$0	\$125,000

Water Resources - Sewer

Division: Sewer Category: 6 Number: 8597

Title: Gold Rock Lift Station Rehab

Project Description:

This project consists of the rehabilitation of the lift station on NC 4 in Gold Rock. With the continued development in the Whitaker Business and Industry Center, the pump station must be upgraded to handle additional flow and to meet current NC DENR requirements.

PROJECT	PRIOR YEAR COSTS	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction			\$70,000				\$70,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$70,000	\$0	\$0	\$0	\$70,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$70,000				\$70,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$70,000	\$0	\$0	\$0	\$70,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-1 in that it provides for utility growth into un-served or underserved areas of Nash and Edgecombe Counties.

Project Status:

This project is scheduled for FY 2008-09.

Water Resources - Sewer

Division: Sewer Category: 12 Number: 8804

Title: Fenner Road Pump Station Removal/Upgrade

Project Description:

This project provides for the removal or upgrade of the pump station on Fenner Road. The pump station is currently running at capacity and needs to be reconstructed or removed to be able to handle projected flow increases due to pending development projects. This project was recommended in the Sewer Master Plan and is a companion project to the Compass Creek Outfall project which will evaluate the feasibility of eliminating the lift station in lieu of reconstructing it.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition			\$55,000				\$55,000
Construction			\$350,000				\$350,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$405,000	\$0	\$0	\$0	\$405,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$55,000				\$55,000
Debt			\$350,000				\$350,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$405,000	\$0	\$0	\$0	\$405,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project was initially identified in the 2003 Sewer Master Plan. The need to provide sewer service in annexation area 4b and reduce flow on the S. Church Street pump stations has caused a re-evaluation of projects and may allow for the elevation of this pump station by extension of the Compass Creek Outfall line. The feasibility of eliminating the pump station will be evaluated during design of the outfall line.

Project Status:

This project is scheduled for FY 2008-09.

Water Resources - Sewer

Division: Sewer Category: 12 Number: 8804

Title: Cokey Rd PS/FM: Annex Area 7B

Project Description:

This project will construct a new pump station near the intersection of Cokey Road and S. Glendale Ave to accept sewer flows from annexation area 7B and surrounding area that are currently without sewer. The Glendale Ave-Cokey Rd Sewer project is a companion to this project. Both projects are necessary to provide sewer service to the annexation area.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition			\$44,000				\$44,000
Construction			\$368,000				\$368,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$412,000	\$0	\$0	\$0	\$412,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$44,000				\$44,000
Debt			\$368,000				\$368,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$412,000	\$0	\$0	\$0	\$412,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is required to serve this annexation area.

Project Status:

This project is scheduled for FY 2008-09 in order to meet annexation requirements.

Water Resources - Sewer

Division: Sewer Category: 12 Number: 8804

Title: Cooley Rd PS/FM- Annex Areas 8B

Project Description:

This project will construct a new pump station and force main east of S. Wesleyan Blvd between Cooley Rd and Raleigh Rd to provide sewer service to annexation area 8B and the surrounding area. Some portions of annexation area 8A without sewer may also be served by this pump station.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition		\$48,000					\$48,000
Construction			\$363,000				\$363,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$48,000	\$363,000	\$0	\$0	\$0	\$411,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue		\$48,000					\$48,000
Debt			\$363,000				\$363,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$48,000	\$363,000	\$0	\$0	\$0	\$411,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is required to serve this anticipated petition area.

Project Status:

Project design is scheduled for FY 2007-08, with construction in FY 2008-09 in order to meet annexation requirements.

Water Resources - Sewer

Division: Sewer Category: 2, 3 Number: 8541

Title: Sewer Lift Station Generators

Project Description:

Natural gas powered generators are to be installed at the major sewer lift stations. These generators will provide power for pump operation during electrical power failure (hurricanes and ice storms) as required by the City's National Pollution Discharge Elimination System (NPDES) permit thus preventing sewage spills from the pump stations. Generators may also be used for elec. load management. Additional installations will be at Fenner Road and Johnson St. in 07-08 continuing with other sewer lift stations in the future. A portable unit will also be acquired to support the remaining stations as needed. Funds assume installing two generators per year, with only one generator per year in FY 2010-11 and FY 2011-12.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$5,000	\$5,000	\$5,000	\$7,500	\$4,000	\$5,000	\$26,500
Equipment/Furnishing	\$40,000	\$50,000	\$50,000	\$52,500	\$26,000	\$28,000	\$206,500
TOTAL	\$45,000	\$55,000	\$55,000	\$60,000	\$30,000	\$33,000	\$233,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$45,000	\$55,000	\$55,000	\$60,000	\$30,000	\$33,000	\$233,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$45,000	\$55,000	\$55,000	\$60,000	\$30,000	\$33,000	\$233,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Natural Hazards Element of the Comprehensive Plan; Strategy A-6 in that it provides for evaluation of the vulnerability to flooding or loss of power as a factor in determining CIP improvements or changes.

Project Status:

This is an ongoing project.

Water Resources - Sewer

Division: Sewer Category: 7 Number:

Title: Lift Station SCADA Project

Project Description:

This project will provide for the evaluation, specifications and installation of a supervisory control and data acquisition (SCADA) system for the Sanitary Sewer Lift Stations. This system will provide remote monitoring, data acquisition, as well as other problems such as high water, overheating pumps, fail start, and etc. Presently we have to visit 35 stations seven days a week 365 days per year to meet requirements of our Collections Permit. The SCADA system would provide 24 / 7 monitoring of our stations and save overtime hours, vehicle wear and tear as well as cost of fuel. The SCADA system will provide the capability of more continuous monitoring

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	TOTAL PROJECT COST
Planning/Acquisition		\$25,000					\$25,000
Construction							\$0
Equipment/Furnishing		\$35,000	\$50,000	\$50,000			\$135,000
TOTAL	\$0	\$60,000	\$50,000	\$50,000	\$0	\$0	\$160,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue		\$60,000	\$50,000	\$50,000			\$160,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$60,000	\$50,000	\$50,000	\$0	\$0	\$160,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Would assist us in better monitoring of our Sanitary Sewer Lift Stations, which is required by our Sanitary Sewer Collections permit. This would help prevent SSO's, thus decreasing possibilities of fines .

Project Status:

This project will start in FY 2007-08 and continue through FY 2009-10.

Water Resources - Sewer

Division: Sewer Category: 11 Number:

Title: Electronic Meters Installation - Sewer

Project Description:

This project will share with the Water Fund the cost of installation of electronic water meters in conjunction with electronic gas and electric meters. Should the project prove successful, all water meters would be changed to electronic. Cost are shared with Water Fund: 55% Water Fund / 45% Sewer Fund. For funding purposes, the Sewer Fund share will be paid for out of the Water Fund.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction	\$18,000						\$0
Equipment/Furnishing	\$72,000						\$0
TOTAL	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$90,000						\$0
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

Future activity will be accounted for solely in the Water Fund.

Water Resources - Sewer

Division: Sewer Category: 7 Number: 8551

Title: Sewer Rehabilitation Program

Project Description:

This project will continue the Infiltration/Inflow reduction program currently in progress through renovation and repairs to old sewer system to reduce groundwater infiltration and stormwater inflow. These funds are used for purchase of replacement piping, contracting of grouting services, and other ongoing rehabilitation projects.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning							\$0
Construction	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Equipment/Furnishing							\$0
TOTAL	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-3 in that it provides for sewer line upgrades and replacement to minimize overflows and infiltration in wet weather, minimizing the chance for treatment plant overloading.

Project Status:

Funds this year are being used for piping replacement.

Water Resources - Sewer

Division: Sewer Category: 6 Number: 8521

Title: Equipment Replacement - Sewer

Project Description:

Funding for this project is intended to schedule large equipment needing replacement. Such equipment includes rubber-tire backhoes, tracked backhoe, dump trucks, bulldozers, and a sewer jet. Replacement is scheduled from data compiled by the Public Works Department

EQUIPMENT	N/R	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Rubber Tire Backhoe	R	\$65,000					\$145,000	\$145,000
TV Truck	R						\$150,000	\$150,000
Loader	R				\$90,000	\$250,000		\$340,000
Sewer Jet/Jet Vac	R							\$0
Dump Trucks	R	\$80,000			\$60,000	\$70,000		\$130,000
Bulldozer	R					\$100,000		\$100,000
TOTAL		\$145,000	\$0	\$0	\$150,000	\$420,000	\$295,000	\$865,000
FUNDING SOURCE						\$0		\$0
Current Revenue								\$0
Enterprise Revenue		\$145,000			\$60,000	\$320,000	\$295,000	\$675,000
Debt					\$90,000	\$100,000		\$190,000
Capital Reserves								\$0
Grants/Other								\$0
TOTAL		\$145,000	\$0	\$0	\$150,000	\$420,000	\$295,000	\$865,000

N/R= New or Replacement

Water Resources - Sewer

Division: Sewer Category: 7 Number: 8500 / 8800

Title: Equipment Storage Sheds

Project Description:

This project will provide storage for equipment used on the Wastewater Treatment Plant land application site (FY 2005-06). Sheds will be added to existing storage buildings to provide equipment storage and security for Water Resources equipment and vehicles.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning							\$0
Construction					\$90,000		\$90,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$0	\$0	\$90,000	\$0	\$90,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue							\$0
Debt					\$90,000		\$90,000
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$0	\$0	\$90,000	\$0	\$90,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective B-3 in that it updates the CIP, to continue to providing quality utility service .

Project Status:

This project is scheduled for FY 2010-11.

Water Resources - Sewer

Division: Sewer Category: 7 Number: 8581

Title: Manhole Rehabilitation Program - Sewer

Project Description:

This project involves the rehabilitation of deteriorated brick sewer manholes and raising manholes to above the 100 year flood line. The manholes to be replaced are leaking and may be structurally unsound. Through a replacement schedule, these manholes will be repaired or replaced and raised to above the 100-year flood elevation. Other manholes will be lined to reduce deterioration from sewer gasses and to minimize leakage of groundwater through the manhole walls.

PROJECT	PRIOR YEAR COAT	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning							\$0
Construction	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
Equipment/Furnishing							\$0
TOTAL	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-3 in that it provides for sewer line upgrades and replacement to minimize overflows and infiltration in wet weather, minimizing the chance for treatment plant overloading.

Project Status:

Work this year is concentrated on manholes along the Tar River and Stoney Creek.

Water Resources - Sewer

Division: Sewer Category: 11 Number: 8830

Title: Water Quality Evaluation

Project Description:

The objective of this project is to assess current water-quality conditions in the Tar River Reservoir and selected tributaries and establish a database to document changes in these conditions. This database will be used in defending programs designed to support the efficient operation of the Rocky Mount Regional Wastewater Treatment plant.

The treatment plant operates on a river classified as nutrient sensitive. The reservoir area presently is, however, the fastest growing development area of Nash County with twenty- seven separate subdivisions in various stages of development along its banks. These developments all currently use septic tanks for waste disposal. In addition, the number of large animal operations using land application of wastes continues to increase. These operations present the increasing possibility of non-point source pollutants entering the river. The proposed water quality evaluation will establish a base-line to ward off claims of contamination from the treatment plant. Costs associated with this project will be shared with the United States Geological Survey.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000
Construction							\$0
Equipment/Furnishing							\$0
TOTAL	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$50,000	\$75,000	\$75,000	\$75,000	\$75,000	\$350,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-2 in that it provides for insuring regulatory permit compliance.

Project Status:

This project starts in FY 2007-08 and will continue through the CIP period.

Water Resources - Sewer

Division: Sewer Category: 4 Number:

Title: Total Organic Carbon Analyzer

Project Description:

This project proposes to replace the water plant Total Organic Carbon (TOC) analyzer. TOC analysis is vital to determining the level of pretreatment attained in order to minimize THM and HAA compounds.

PROJECT	PRIOR YEAR COST	2007-08 BUDGET	2008-09 PLAN	2009-10 PLAN	2010-11 PLAN	2011-12 PLAN	2008-12 PLAN TOTAL
Planning/Acquisition							\$0
Construction			\$50,000				\$50,000
Equipment/Furnishing							\$0
TOTAL	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000
FUNDING SOURCE							
Current Revenue							\$0
Enterprise Revenue			\$50,000				\$50,000
Debt							\$0
Capital Reserves							\$0
Grants/Other							\$0
TOTAL	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000

Estimated Annual Operating Costs: Start up \$ - Recurring \$ -

Justification:

Project is consistent with the Community Facilities Section of the Comprehensive Plan; Objective D-2 in that it provides for insuring regulatory permit compliance.

Project Status:

This project has been completed.